RD OF DRILL-STEM AND SPECIAL TF

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 11,958' feet, and from ..... feet to ..... feet.

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet.

PRODUCTION

Put to Producing September 30, 19 54

OIL WELL: The production during the first 24 hours was 402.64 barrels of liquid of which 75.20 % was was oil; 0 % was emulsion; 5.73 % water; and 19.07 % was sediment. A.P.I. Gravity 41.8 (Based on 100.66 bbls. fluid in 6 hrs.)

GAS WELL: The production during the first 24 hours was ..... M.C.F. plus ..... barrels of liquid Hydrocarbon. Shut in Pressure ..... lbs.

Length of Time Shut in .....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico				Northwestern New Mexico	
T. Anhy	2282'	T. Devonian	11857'	T. Ojo Alamo	
T. Salt	2322'	T. Silurian		T. Kirtland-Fruitland	
B. Salt	3014'	T. Montoya		T. Farmington	
T. Yates	3110'	T. Simpson		T. Pictured Cliffs	
T. 7 Rivers		T. McKee		T. Menefee	
T. Queen		T. Ellenburger		T. Point Lookout	
T. Grayburg		T. Gr. Wash		T. Mancos	
T. San Andres	4530'	T. Granite		T. Dakota	
T. Glorieta Base San Andres	5974'	T.		T. Morrison	
T. Drinkard Clearfork	6640'	T.		T. Penn	
T. Tubbs	7214'	T.		T.	
T. Abo Wichita	7903'	T.		T.	
T. Penn. Wolfcamp	9028'	T.		T.	
T. Miss	9490'	T.		T.	
T. Woodford	11114'	T.		T.	
	11774'				

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	280	280	Sand & Surface Rock				
280	965	685	Red Bed				
965	1705	740	Red Bed & Anhy.				
1705	1965	260	Red Bed & Shells				
1965	2318	353	Red Bed & Anhy.				
2318	3208	890	Anhy. & Salt				
3208	4134	926	Anhy.				
4134	4270	136	Anhy. & Lime				
4270	4555	285	Anhy.				
4555	8675	4120	Lime				
8675	8886	211	Lime & Shale				
8886	10538	1652	Lime				
10538	10856	318	Lime & Chert				
10856	10914	58	Lime & Shale				
10914	11196	282	Shale & Lime				
11196	11481	285	Chert & Lime				
11481	11510	29	Lime				
11510	11549	39	Lime & Shale				
11549	11647	98	Chert & Lime				
11647	11845	198	Lime & Chert				
11845	11868	23	Shale				
11868	11908	40	Dolomite				
11908	11958	50	Lime				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

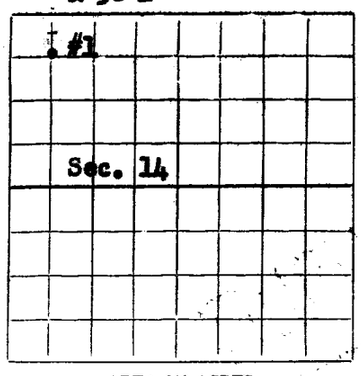
I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

October 5, 1954 (Date)

Company or Operator Amerada Petroleum Corp. Address Drawer 809 Seminole, Texas

Name W. H. Dunlap Position or Title Dist. Supt.

R-38-E N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

(Revised 7/1/52)
(Form C-106)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Amerada Petroleum Corporation (Company or Operator) Virgil Linam (Lease)

Well No. 1, in NW ¼ of NW ¼, of Sec. 14, T. 13-S, R. 38-E, NMPM.

Bronco Siluro Devonian Pool, Lea County.

Well is 660 feet from North line and 660 feet from West line of Section 14. If State Land the Oil and Gas Lease No. is .....

Drilling Commenced July 21, 19 54. Drilling was Completed September 23, 19 54.

Name of Drilling Contractor Noble Drilling Corporation

Address 321 Stanolind Building Tulsa, Oklahoma

Elevation above sea level at Top of Tubing Head Derrick Floor- 3816' The information given is to be kept confidential until Not confidential, 19.....

OIL SANDS OR ZONES

No. 1, from 9,485 to 9,650 No. 4, from ..... to .....

No. 2, from 11,857 to 11,916 No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	36#	New	301'	Armco SJ			
8-5/8"	32#	New	4,560'	Hall. Guide			
5-1/2"	17 & 20#	New	11,943'	Baker Float		11,900-11,910	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2"	13-3/8"	319'	350 sx.	Halliburton		
12-1/4" & 11"	8-5/8"	4,577'	1300 sx.	Halliburton		
7-7/8"	5-1/2"	11,958'	650 sx.	Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized thru 5-1/2" casing perforations from 11,900 to 11,910' with 500 gallons Cardinal Mud Acid with Emulsion Breakers added. Maximum pump pressure 3900#. Minimum pump pressure 2000#. Average injection rate- 2.4 barrels per minute.

Result of Production Stimulation .....

Depth Cleaned Out .....

VIRGIL LINAM NO. 1 - WELL RECORD

SLOPE TESTS:

295 - 1 deg.	5446 - 1/2 deg.	7775 - 1 deg.	9765 - 1/2 deg.
1000 - 1	5700 - 1/2	8000 - 1/2	10390 - 1-1/4
1495 - 1/2	5840 - 1/2	8170 - 1	10450 - 1-1/4
1644 - 1/2	6050 - 1/2	8310 - 1/2	10775 - 1-3/4
1700 - 1	6165 - 1/2	8431 - 1/2	10900 - 2-1/2
2280 - 1/4	6260 - 1/4	8560 - 1-1/4	11040 - 2
3075 - 1	6560 - 3/4	8640 - 1-1/2	11190 - 3
3200 - 1	6720 - 1/2	8770 - 1	11395 - 3-1/2
3950 - 2	6860 - 3/4	8925 - 1	11480 - 4-1/4
4360 - 2	6990 - 1/2	9070 - 1	11525 - 5-1/2
4690 - 1	7100 - 1/2	9190 - 1	11590 - 4-1/2
4820 - 3/4	7280 - 1/2	9275 - 1	11718 - 4-1/2
5042 - 3/4	7450 - 1/2	9425 - 3/4	11800 - 4
5200 - 1/2	7680 - 3/4	9525 - 1/2	11875 - 4

DRILL STEM TESTS:

DST #1- from 5059' to 5300', 1 hr. & 39 minute test, 4-1/2" DP, 5/8" bottom & 1" top chokes. Opened tool with very weak blow of air. Dead in 39 minutes. Recovered 65' mud. No show of oil, gas or water.

DST #2- from 9485' to 9650', 4 hr. test, 4-1/2" DP, 5/8" bottom & 1" top chokes. Opened tool with good blow of air. Gas to surface in 45 minutes, gas volume- 6300 cubic feet per day. Recovered 2690' dry pipe, 550' water blanket & 250' mud. DP unloaded 5900' free oil. Recovered from below TC Valve- 160' oil & 110' salt water. Gravity of oil- 39.6 corrected.

DST #3- from 11,190' to 11,290', 1 hr. & 20 minute test, 4-1/2" DP, 5/8" bottom & 1" top chokes. Opened tool with weak blow of air for 20 minutes and died. Closed & re-opened tool with weak blow of air which died immediately. Recovered 8953' dry pipe, 2090' water blanket & 120' mud. No show of oil, gas or water.

DST #4- from 11,868' to 11,883', 1 hr. & 17 minute test, 4-1/2" DP, 5/8" bottom & 1" top chokes. Opened tool with weak blow of air which died in 17 minutes. Recovered 900' dry pipe, 2790' water blanket, 60' oil & gas cut mud, estimated 15% oil & 10' free oil. Gravity of oil- 40.0 corrected. No formation water.

DST #5- from 11,883' to 11,908', 4 hr. test, 4-1/2" DP, 5/8" bottom & 1" top chokes. Opened tool with weak blow of air increasing to very strong blow in 2 hrs. & 39 minutes. No gas or fluid to surface. Recovered 1680' dry pipe, 6580' gas in drill pipe, 675' free oil cut 5% mud & 2652' slightly oil & gas cut water blanket, estimated 1% oil. Recovered from below TC Valve- 45' free oil cut 5% mud, 138' slightly oil & gas cut water blanket, estimated 1% oil, & 87' heavy oil & gas cut mud, estimated 5% oil. Gravity of oil- 41.4 corrected.

DST #6- from 11,908' to 11,958', 4 hr. test, 4-1/2" DP, 5/8" bottom & 1" top chokes. Opened tool with good blow of air. Gas to surface in 3 hrs. & 42 minutes, gas volume- too weak to measure. Recovered 882' gas in drill pipe, 2790' water blanket cut 20% oil & 2% mud, 6120' free oil cut 2% mud & 2% water blanket, & 1819' salt water. Gravity of oil- 41.4 corrected. Recovered from below TC Valve- 120' free oil cut .2% BS, & 150' salt water.